

**DEPARTMENT OF TRANSPORTATION****DIVISION OF ENGINEERING SERVICES**

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.15**SOURCE INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** SIR-003285**Date Inspected:** 11-May-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 1500**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 300**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**Quality Control Contact:** Mr. Don Walton**Quality Control Present:** Yes No**Material transfer:** Yes No N/A**Sampled Items:** Yes No N/A**Stock Transfer:** Yes No N/A**OK to Cut:** Yes No N/A**Rebar Test Witness:** Yes No N/A**Delayed/Cancelled:** Yes No N/A**Other:** Coating Inspection**Bridge No:** 34-0006**Component:** See Below**Bid Item:** 77, 78, 79**Lot No:** B #204**Summary of Items Observed:**

On this date Caltrans Office of Structural Materials (OSM) Quality Assurance (QA) NACE Coating inspector, Baskar Govindarajan arrived on site at the Zhenhua Port Machinery Company (ZPMC) facility at Changxing Island in Shanghai, China. The purpose of the coating inspections are to monitor the surface preparation and coating applications for the SAS Bay Bridge project. This QA coating inspector observed the following:

An inspection was requested on the Lift12W , vide inspection request no. 6628 for Surface preparation inspection before Interzinc 52 application at Ship no.18, Heavy Dock Jetty. This QA inspector observed, ABF Inspectors Mr. Sun found inspecting these surfaces .ZPMC found cleaning the surfaces by thinner and vaccuming the debris. Profile found measured by ZPMC QC Inspectors and found to be 40 and 50 microns which is acceptable as per contract documents. Ambient conditions found measured by ZPMC QC Inspectors which is 4.1 deg. celcius above due point and the relative humidity found to be 73.1 %, which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the coarse of this inspection process for Technical discussion.

An inspection was requested on the Tower Head Internal surfaces SSD1-TL6-1, ESD1-TL6-2, NSD1-TL6-3, WSD1-TL6-4 , vide inspection request no. T 2170 for DFT Check and visual inspection of its surfaces at Ship no. 18, Heavy Dock Jetty. This QA inspector observed, Holidays, Physical damages on the surfaces which is not acceptable as per contract documents. DFT measured as per PA2 and found to be in the range of 92 to 146 microns. Ambient conditions found measured by ZPMC QC Inspectors which is 4.1 deg. celcius above due point and the relative humidity found to be 73.1 %, which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the coarse of this inspection process for

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Technical discussion.

An inspection was requested on the Bike path Bracket BK15-001 PP113, BK16A-001 PP115, vide inspection request no. 6630 for Surface preparation inspection before Interzinc 22 application at Paint shop 2. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces. No discrepancies noted and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point. International protective coatings technical service representative was not found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Water Flumes 3-39-3, 3-39-2, 3-34-2, 3-36-3, 3-3-1, 3-36-1, 3-36-4, 3-39-1, vide inspection request no. 6629 for Surface preparation inspection before Interline 979 application at Paint shop 1. This QA inspector observed, ABF Inspectors Mr. Sun and Mr. Wei found inspecting these surfaces. Minor discrepancies noted which was found fixed by ZPMC and ABF Quality Assurance personnel instructed ZPMC to proceed with process to the next check point. International protective coatings technical service representative was not found present during the course of this inspection process for Technical discussion.

An inspection was requested on the Water Flume Faying surfaces -15nos, vide inspection request no. 6627 for DFT Check and visual inspection of its surfaces at Paint shop 2. This QA inspector observed, ABF Inspector Mr. Wei inspecting these water flumes for DFT. This was found accepted by ABF. Ambient conditions found measured by ZPMC QC Inspectors which is 4.3 deg. celcius above dew point and the relative humidity found to be 70.4 %, which is acceptable as per contract documents. International protective coatings technical service representative was not found present during the course of this inspection process for Technical discussion.

For further informations, Please see the pictures below

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



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### Summary of Conversations:

No Relevant Conversation

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Thomas Hu (15002048250), who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Baskar, Govindarajan	Quality Assurance Inspector
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<b>Reviewed By:</b>	Clifford, William	QA Reviewer
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